

Amendments to the Claims:

1. (Currently amended) A light module, comprising:

a light emitting diode assembly ~~defining~~ including a generally planar front side light emitting diode array and a rear side, the rear side in thermal communication with a thermally conductive spreader;

a thermally conductive elongated core having a first end in thermal communication with the conductive spreader, the thermally conductive core being elongated in a direction transverse to the generally planar front side light emitting diode array to define a second end distal from the conductive spreader~~[[,]] the thermally conductive core providing means for an electrical conductor to be in operative communication with the front side light emitting diode array;~~ and

a plurality of appendages, disposed around the thermally conductive core, the plurality of appendages in thermal communication with the conductive spreader, and extending ~~in one of a parallel and perpendicular direction in relation to a longitudinal axis of~~ away from the thermally conductive core.

2. (Original) The light module as set forth in claim 1, further comprising:

a housing surrounding the front side light emitting diode array; and

an optic removably affixed to the housing opposite the front side light emitting diode array.

3-4. (Canceled)

5. (Currently amended) The light module as set forth in claim 1, wherein the plurality of appendages comprises fins surroundingly attached to the thermally conductive core, said fins not contacting the thermally conductive spreader, said fins thermally conductively communicating with the thermally conductive spreader through the thermally conductive elongated core.

6. (Cancelled)

7. (Previously presented) The light module as set forth in claim 1, wherein the light emitting diode assembly comprises a number of light emitting diodes, each light emitting diode disposed in a shaped recess, the recess and light emitting diode covered with a lens.

8. (Previously presented) The light module as set forth in claim 1, wherein the light emitting diode assembly comprises individually packaged light emitting diode elements.

9. (Previously presented) The light module as set forth in claim 8, wherein the individually packaged light emitting diode elements are secured in thermal communication to the thermally conductive spreader.

10. (Previously presented) The light module as set forth in claim 1, wherein the light module has a thermal resistivity of less than 40 degrees Centigrade per watt.

11. (Currently amended) The light module as set forth in claim 1, wherein the thermally conductive core has an electrical conduit passing from the first end to the second end to provide electrical access to the front side light emitting diode array from the second end of the thermally conductive elongated core, and a physical size and shape of an exterior of the thermally conductive elongated core and the electrical conductor are designed to be accommodated in a fixture selected from a group consisting of MR-style fixtures and PAR-style fixtures.

12. (Previously presented) The light module as set forth in claim 1, wherein the front side light emitting diode array selectively produces saturated color light, the saturated color light being produced by the light emitting diodes emitting a narrow band light.

13. (Previously presented) The light module as set forth in claim 1, wherein the front side light emitting diode array selectively produces white light.

14. (Previously presented) The light module as set forth in claim 1, wherein the front side light emitting diode array selectively produces desaturated colors based on a mixture from a variety of saturated color LEDs.

15. (Previously presented) The light module as set forth in claim 1, wherein the front side light emitting diode array selectively produces at least 50 lumens of light.

16. (Original) The light module as set forth in claim 1, further comprising individually powerable sets of diodes in the front side light emitting diode array.

17. (Previously presented) A light emitting diode assembly including a light emitting face supported by a body through which electrical connection elements pass, the body comprising:

a thermally conductive elongated core in thermal communication with the light emitting face, the thermally conductive core providing a path for the electrical connection elements to be in electrical communication with light emitting diodes in the light emitting face; and

a plurality of thermally conductive elongated attachments surrounding the thermally conductive core, the plurality of attachments being in thermal communication with the light emitting diode assembly.

18-19. (Canceled)

20. (Currently amended) ~~The A~~ light emitting diode assembly ~~as set forth in claim 17,~~ wherein the comprising:

a thermally conductive core supporting a generally planar light emitting face having a plurality of light emitting diodes disposed thereon;

electrical connection elements passing through the thermally conductive core; and

thermally conductive ~~attachments comprise~~ elongated pillars attached to a side of the thermally conductive body opposite the light emitting face, the thermally conductive elongated pillars extending away from the thermally conductive core.

21. (Currently amended) A lamp for use in connection with spot module platforms, said lamp comprising:

a plurality of LEDs arranged in an LED assembly having opposing forward and rearward facing sides, said forward facing side selectively providing ~~one of colored and white~~ illumination from the LEDs when power is supplied thereto, ~~the colored illumination selectively being one of saturated and unsaturated color;~~

a heat sink ~~arranged~~ contacting the rearward facing side of the LED assembly to draw heat from the LEDs, the heat sink including:

(i) a thermally conductive base having a lateral area substantially coextensive with the rearward facing side of the LED assembly and in thermal contact with the rearward facing side of the LED assembly, and

(ii) ~~a~~ an elongated thermally conductive core having a lateral area less than the lateral area of the rearward facing side and connecting with a central area of the thermally conductive base, the elongated thermally conductive core extending from the thermally conductive base in a direction away from the LED assembly; and,

a heat dissipating ~~means in thermal communication with the heat sink, wherein said heat dissipating means~~ structure including ~~dissipates heat from the heat sink via convection and includes~~ a plurality of heat-dissipating members each extending away from a connection of the heat-dissipating member with the heat sink, the heat dissipating structure connected being interference fit with the elongated thermally conductive core.

22. (Previously presented) The lamp according to claim 21, wherein the LEDs are disposed in reflector wells.

Claims 23-24 (Cancelled)

25. (Previously presented) The lamp according to claim 21, wherein the saturated color light is produced by the LEDs emitting a narrow wavelength light.

26. (Previously presented) The lamp according to claim 25, wherein the desaturated color is produced by mixing the LEDs producing a variety of saturated colors.

27. (New) The lamp according to claim 21, wherein the heat dissipating structure is not connected with the thermally conductive base of the heat sink.

28. (New) The light emitting diode assembly as set forth in claim 20, wherein the elongated pillars are elongated in a direction transverse to the light emitting face.